

**DECLARATION FOR PATENT APPLICATION**☒ Original☐ Supplemental☐ Substitute☐ PCT

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

FUEL INJECTOR

(Title of the Invention)

the specification of which (check one)

☐ is attached hereto.☒ was filed on 10 October 2003 as Application Serial No. 10/605,587.☐ was described and claimed in PCT International Application No. -- filed on -- and as amended under PCT Article 19 on -- (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 (a) - (d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified, by checking the box below, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Applications | | | Priority Claimed | | Copy Attached | |
|----------------------------|---------|-------------------------------------|------------------|----|---------------|----|
| Application Number | Country | Foreign Filing Date (MM/DD/YYYY) | YES | NO | YES | NO |
| | | | | | | |

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below and claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT international application(s) designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Declaration for Patent Application

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| Parent Application Number | Filing Date (MM/DD/YYYY) | Status (Mark Appropriate Column Below) | | |
|---------------------------|--------------------------|---|---------|-----------|
| | | Patented | Pending | Abandoned |
| 60/319,601 | 10/10/2002 | | | |

As a named inventor, I hereby revoke all prior powers and appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

FIRM NAME: **HOWREY SIMON ARNOLD & WHITE, LLP**, 1299 Pennsylvania Avenue, NW, Box 34, Washington, D.C. 20004-2402.

| | | | | | |
|--------------------------|--------|--------------------------|--------|-----------------------|--------|
| Abair, Jason C. | 44,007 | Gleason, Mark L. | 39,998 | Nimmo, Anthony | 30,920 |
| Allen, Billy C. | 46,147 | Gold, Darren | 47,599 | Norris, John D. | 28,246 |
| Arnold, Tom | 16,702 | Grimaldi, Alan | 26,599 | Parris, Tracy S. | 46,980 |
| Auchterloine, Richard C. | 30,607 | Halluin, Albert P. | 25,227 | Patterson, Melinda L. | 33,062 |
| Auerbach, Robert P. | 46,525 | Harbison, Suzy | 45,139 | Petri, Henry A. | 33,063 |
| Barzoukas, Nicolas G. | 38,823 | Jackson, Brian L. | 41,868 | Piatricia, Andrew | 40,772 |
| Bell, Michael J. | 39,604 | Jardieu, Derek J. | 44,483 | Pistorino, James C. | 44,290 |
| Benson, Christopher R. | 31,941 | Kaplan, Jonathan T. | 38,935 | Reese, Scott R. | 47,891 |
| Bigornia, Luisa | 45,974 | Kammerer, Patricia A. | 29,775 | Rhodes, Glenn W. | 31,790 |
| Bilsker, David L. | 39,611 | Kee, Nelson | 47,700 | Rooklidge, William C. | 31,791 |
| Cagle, Steve H. | 26,445 | Kelley, Christopher L. | 42,714 | Rose, Collin A. | 47,036 |
| Cain, John C. | 38,837 | Keville, John R. | 42,723 | Seaton, Bret | 46,171 |
| Caldwell, Rodney K. | 26,152 | Kewalramani, Shashi H. | 43,713 | Schnurr, Richard A. | 30,890 |
| Callahan, Celine T. | 34,301 | Kim, Brian S. | 41,114 | Seka, Mark A. | 44,330 |
| Chassman, Peter J. | 38,841 | Kim, Kyung (Drew) | 47,706 | Shurn III, Peter J. | 29,439 |
| Chen, Jenny W. | 44,604 | Klann, Amy | 48,155 | Shutter, Jon D. | 41,311 |
| Chiang, Robin | 46,619 | Knoll, Susan A. | 33,254 | Shvodian, Daniel T. | 42,148 |
| Chowdhury, Indranil | 47,490 | Kung, Viola | 41,131 | Spears, Steven G. | 43,926 |
| Cordrey, Gregory S. | 44,089 | Kuo, Vivian | 45,456 | Stanley, Richard L. | 36,936 |
| Coverstone, Thomas | 36,492 | Laurenson, Robert C. | 34,206 | Steinheider, Matt | 47,968 |
| Dalakis, Michael | 47,322 | Lavelle, Joe | 31,036 | Stimson, Michael | 45,429 |
| Davidson, Ben M. | 38,424 | Lechtenberger, J. Dean | 34,859 | Tower, Andrew | 37,742 |
| Davidson, Ross E. | 41,698 | Lee, Michael E. | 38,949 | Valentine, James F. | 39,053 |
| Davis, James F. | 21,072 | Lewis, Terril G. | 46,065 | Voelzke, Joel D. | 37,957 |
| Deaver, Albert B. | 34,318 | Livornese, Don F. | 32,040 | Waack, Janelle D. | 36,300 |
| Devlin, Gerard M. | 43,586 | Lundell, Craig M. | 30,284 | West, William | 22,057 |
| Dickinson, Todd | 28,354 | Lynch, John F. | 22,504 | White, Carter J. | 41,374 |
| Dickson, Mark S. | 32,889 | Madsen, Matthew L. | 45,594 | Whiting, Adam K. | 44,400 |
| Dotson, Darrell G. | 44,661 | Matthews, Christopher A. | 35,944 | Whitt, Jayna R. | 47,175 |
| Dowler, Michael S. | 34,582 | Mavrakakis, Thomas C. | 39,763 | Williamson, J. Paul | 29,600 |
| Druce, Tracy W. | 35,493 | McAughan, Robert J. | 36,599 | Wong, Karen | 44,409 |
| Duffey, Gregg A. | 42,501 | McAusland, Iain | 37,980 | Wu, Wallace | 45,380 |
| Dudzick, Christine | 31,245 | McDermott, Sean | 49,000 | Zises, Matthew S. | 47,246 |
| Dunham, Thomas M. | 39,965 | McWhirter, Jill | 47,788 | | |
| Durkee, William D. | 20,337 | Meola, Anthony L. | 44,936 | | |
| Edwards, Stephen E. | 38,865 | Miller, Thomas A. | 30,479 | | |
| Finkelstein, Ira D. | 44,680 | Miller, Thomas V. | 42,002 | | |
| Flores-Jones, Connie J. | 41,755 | Moore, Matthew | 42,012 | | |
| Garber, Scott J. | 43,627 | Nagel, Robert | 45,353 | | |
| | | Nation, Floyd R. | 27,580 | | |



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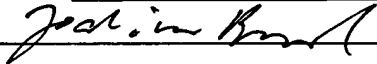
I acknowledge the above-listed attorneys and agents and their firm Howrey Simon Arnold & White LLP represent my employer (if I am an employee and this application has been or will be assigned to my employer) or the entity with which I have contracted (if I am an independent contractor and this application has been or will be assigned to such entity) and in such cases do not represent me individually. I further acknowledge I have not established, nor will I seek to establish, any personal attorney/client relationship with Howrey Simon Arnold & White LLP in connection with this application and understand that, should I require legal representation, I will obtain such, at my expense, other than through Howrey Simon Arnold & White LLP.


Send Correspondence to: **HOWREY SIMON ARNOLD & WHITE, LLP**
1299 Pennsylvania Ave. NW, Box 34
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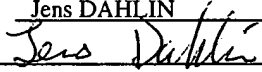
Attn: Tracy W. Druce

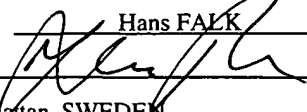
Direct telephone calls to: Tracy W. Druce at (202) 383-7398

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Joakim BERGLUND
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VOLVO

Declaration for Patent Application
Page 4

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Inventor's signature Klas Lindblad Date 09/29/03
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Inventor's signature Tor Sal Date 09/29/03
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RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

PATENTS ONLY

Tab settings ⇨ ⇨ ⇨ ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Joakim BERGLUND; Patrik BACKANDER;
Jens DAHLIN; Hans FALK;
Bernhard GUSTAFFSON; Klas LINDBLAD; and
Torbjorn SALOMONSSON

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 09/29/2003, 09/29/2003, 10/14/2003,
09/29/2003, 09/29/2003, 09/29/2003, and 09/29/2003.

2. Name and address of receiving party(ies)

Name: VOLVO AERO CORPORATION

Internal Address: SE-461 81 Trollhattan, SWEDEN

Street Address: _____

City: _____ State: _____ Zip: _____

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution data of the application is: _____

A. Patent Application No.(s)

10/605,587

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Tracy W. Druce

Internal Address: Howrey Simon Arnold & White LLP

Street Address: 1299 Pennsylvania Ave, NW

Box 34

City: Washington State: D.C. Zip: 20004

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:

08-3038

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Tracy W. Druce

Name of Person Signing

Tracy W. Druce
Signature

03/15/2004

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments

VOLVO**ASSIGNMENT**

THIS ASSIGNMENT, by Joakim BERGLUND, Patrik BÄCKANDER, Jens DAHLIN, Hans FALK, Bernhard GUSTAFSSON, Klas LINDBLAD, and Torbjörn SALOMONSSON (hereinafter referred to collectively as the Assignor), witnesseth:

WHEREAS, said Assignor has invented certain new and useful improvements in a: FUEL INJECTOR, set forth in an application for Provisional Patent of the United States filed herewith.

WHEREAS, VOLVO AERO CORPORATION, a corporation duly organized under and pursuant to the laws of the Kingdom of Sweden, and having a principal place of business at: SE-461 81 Trollhättan, SWEDEN, (hereinafter referred to as the Assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and applications for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of one Dollar (\$1.00 USD) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, assignor's interest in the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignor, had this sale and assignment not been made.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignor is the lawful owners of the entire right, title and interest in and to said invention and the application for Letters Patent above mentioned, and that the same is unencumbered and that said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that said assignor will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

(Date) 09/29/03

(Signature) 
Joakim BERGLUND

(Date) 09/29/03

(Signature) 
Patrik BÄCKANDER

VOLVO

(Date) 10/14/03

(Signature) Jens Dahlin
Jens DAHLIN

(Date) 09/29/03

(Signature) Hans Falk
Hans FALK

(Date) 09/29/03

(Signature) Bernhard Gustafsson
Bernhard GUSTAFSSON

(Date) 09/29/03

(Signature) Klas Lindblad
Klas LINDBLAD

(Date) 09/29/03

(Signature) Torbjörn Salomonsson
Torbjörn SALOMONSSON